

HISATOMI ET AL. -- 10/082,356  
Attorney Docket: 008312-0290742

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REMARKS

With this Amendment, claims 1-20 are canceled and claims 21-30 are added. Claims 21-30 are pending in the present application. Reconsideration of claims 21-30 is respectfully requested.

Claim Rejections – 35 USC §§ 102 and 103

The Examiner has rejected claims 1-11, 13-14 and 18-20 under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,272,286 to Asada et al. (hereinafter Asada), and rejected claims 2-5, 12 and 15-17 under 35 U.S.C. § 103 as being unpatentable over U.S. Patent No. 6,370,321 to Asada et al. (hereinafter Asada) as applied to claims 1, 6-11, 13-14 and 18-20 above, and further in view of U.S. Patent No. 5,787,179 to Ogawa et al. (hereinafter Ogawa). These rejections are respectfully rendered moot by the cancellation of claims 1-20.

Applicants have clarified their claimed invention with new claims 21-30, and assert that the record supporting the instant application is silent to the advantages of Applicants invention, as claimed in claims 21-30 above.

In particular, claim 21 recites:

An information recording/ reproducing apparatus for recording and playback video information, wherein said video information is adapted to an information processing data format that is defined to include (1) video packs of which data is configured by a packet header containing scrambling control information and compressed video data, (2) audio packs of which data is audio information, (3) unit control information (RDI) packs as managing information including copy control information, (4) a video object unit including one unit control information (RDI) pack at the head and including the video packs and audio packs continuing to the unit control information pack, (5) and video object (VOB) including one or more of the video object unit (VOBU), the apparatus comprising:

an encoder including a video encoder, an audio encoder and a formatter, which assembles the video packs, the audio packs and the video object unit;

a controller including a RDI processing section and a packet header processing section, which coordinates content of the copy control information in the video object unit, by detecting a copy control information from the input source, where the RDI processing section changes the content of the copy control information in the RDI pack to the corresponding content with the detected copy control information, and the packet header processing section changes the

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content of scrambling control information in the headers in the video packs belonging to the video object unit to the corresponding content with the detected copy control information.

Thus, claim 21 recites *inter alia*, that an information recording/reproducing apparatus for recording and playback video information, includes video packs of which data is configured by a packet header containing scrambling control information and compressed video data, audio packs of which data is audio information, unit control information (RDI) packs as managing information including copy control information, a video object unit including one unit control information (RDI) pack at the head, and including the video packs and audio packs continuing to the unit control information pack, and video object (VOB) including one or more of the video object unit (VOBU), the apparatus comprising an encoder and a controller including *a RDI processing section and a packet header processing section*, and the packet header processing section changes the content of scrambling control information in the headers in the video packs belonging to the video object unit to the corresponding content with the detected copy control information. That is to say, the controller has a specifically tasked routine including a RDI processing section and a packet header processing section which coordinate content of the copy control information in the video object unit, and *a specific coordination of the packet header processing section which must also contain the content of scrambling control information found in the headers of the video packs*. That is to say, the copy control information is distributed at least down to the individual video packs and wherein any recording/reproduction will depend upon the coordinated processing of the scrambling control information found within the individual headers of the individual video packs, as well as the unit control information (RDI) packs.

For at least the reasons discussed above, independent claim 21, and similarly independent method claim 26 clearly clarify Applicants' claimed invention. Furthermore, Applicants' respectfully assert that the specific system and method of the claimed invention makes use of several novel aspects, including an ability to coordinate the RDI processing section information and the packet header processing section information as set forth in claims 21-30 above, to provide coordinated data locations for determining the appropriate copy control information, and allowing for the copy control information to be found within more than one location, that is a plurality of locations for maximizing a processor's efficiency during coordinated control.

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In view of the above amendments and remarks, Applicants respectfully submit that all the claims are allowable and that the entire application is condition for allowance.

Should the Examiner believe that anything further is desirable to place the application in better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number listed below.

Please charge any fees associated with the submission of this paper to Deposit Account Number 033975. The Commissioner for Patents is also authorized to credit any over payments to the above-referenced Deposit Account.

Respectfully submitted,

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